

Key Stakeholders

- FortisAlberta
- Customer

Connecting your Large Microgeneration (LMG) project to FortisAlberta’s distribution system follows a six-stage process, from application and technical review to construction, commissioning, and final authorization to operate. The overview below summarizes the key stages, deliverables, and participants involved. For more information, visit **FortisAlberta.com**.

STAGE

0



FORM A
INTAKE

- Signed Microgeneration Notice (Form A)
- Signed Third-Party Authorization Form
- Single Line Diagram (SLD)
- Site Plan
- Equipment Certifications
- Electrical Permit

FortisAlberta reviews the application submitted by the customer and ensures that it meets all applicable standards



WITHIN
14 DAYS

Approval to
next step

STAGE

1



HIGH-LEVEL
CAPACITY
CHECK

- Completion of Stage 0

- Informal screening review of feeder capacity
- Identification of potential capacity constraints
- Initiate Detailed Level Study (DLS)
- Estimated timeline of DLS completion

System capacity is only held after completion and acceptance of the DLS

IMPORTANT NOTES

- An informal capacity review
- Does not guarantee system capacity
- Does not reserve capacity
- Does not constitute interconnection approval

STAGE

2



DETAILED
LEVEL STUDY

- Acceptance of DLS results

- Overview LMG presentation customer and consultants
- Gantt chart and timeline expectations
- Identification of DER interconnection requirements
- Determination of required system modifications
- Issuance of DLS report

The DLS must be accepted by the customer within 30 days to reserve capacity and proceed to Stage 3 – 110-Day Package

DLS Evaluates
(but not limited to)

- Feeder capacity & reverse power flow limits
- DER technical performance
- System reliability considerations

STAGE

3



110-DAY
PACKAGE

- Engineering Studies (as required)
- DER Unit Certifications
- SLD Issued for Construction (IFC)
- DER Inverter Settings (as required)
- Site Plan and Access Plan
- Interconnection Protection Setting and Commissioning (IPSC) Section 1
- IEEE Conformity Assessment Program (ICAP) Stage 1 (as required)
- SCADA Data Concentrator DNP Points
- Inverter EMTP-RV and PSCAD Models (for inverter-based generation)
- Detailed Modelling Data (for non-inverter-based generation)

- Engineering review and approval of submitted documentation
- Verification of DER-02 compliance
- Coordination with all FortisAlberta teams
- Gantt Chart
- Telecommunication Assessment



110-DAY
PACKAGE

Detailed engineering design review and approval

These submissions confirm that the project design complies with technical interconnection requirements and applicable standards. Projects and engineering submissions are evaluated on a case-by-case basis.

STAGE

4



30-DAY
PACKAGE

- SCADA Data Concentrator Bench Test Report
- ICAP Stage 2 Report (as required)
- IPSC Section 2
- Electrical Permit Service Report and Electrical Inspection Report
- Operator-in-Charge (OIC) contact information
- Interconnection Agreement Sign-Off

- AESO Asset ID
- Operations Planning SLD (as required)
- Executed Interconnection Agreement
- Confirmation that all interconnection requirements have been met prior to site witnessing



30-DAY
PACKAGE

Installation ready for commissioning

STAGE

5



COMMISSIONING
PACKAGE

- SCADA Point-to-Point Test (if required)
- SCADA Enter Service Test (if required)
- ICAP Stage 3 Report (if required)
- IPSC Section 3 (if required)

- Site Witnessing of Test Activities
- Bi-directional meter installation
- FortisAlberta Control Centre Coordination
- Commissioning Approval



SCHEDULING INFORMATION

Up to 45 calendar days to schedule site witnessing activity

STAGE

6



ENERGIZATION

- Ready for Commercial Export

- Commercial Export Authorization Notification



EXPORT AUTHORIZATION
RECEIVED

Customer may begin exporting upon receipt of notification